

ABSTRACT OF THE DISCLOSURE

A novel monoclonal antibody that specifically recognizes phosphatidylinositol-3,4,5-triphosphate (PIP3) but does not cross-react with structurally similar phospholipid antigens is advantageous for PIP3-specific immunoassay. The gene in the variable regions of the monoclonal antibody has been identified, which enables producing recombinant antibodies.